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#### Allograft; *see* Transplantation, homologous

#### Alpha fetoproteins

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#### Ambulatory care

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Observed patient compliance with a structured outpatient bladder retraining program (Visco et al). 1999;181:1392-4

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#### American Urogynecologic Society

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The infrequent use of office-based diagnostic tests for vaginitis (Wiesenfeld and Macio). 1999;181:39-41

Is the lack of concurrence of bacterial vaginosis and vaginal candidosis explained by the presence of bacterial amines? (Rodrigues et al). 1999;181:367-70

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**Ammon**

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**Amniotic fluid**

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Gelatin sponge plug to seal fetoscopy port sites: technique in ovine and primate models (Luks et al). 1999;181:995-6

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**Aneurysm**

Ruptured splenic artery aneurysm during pregnancy: a rare case with both maternal and fetal survival (Herbeck et al). 1999;181:763-4

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**Annexin V**

Expression of annexin II and associated p11 protein by differentiated choriocarcinoma Jar cells (Kaczan-Bourgois et al). 1999;181:1273 (Letter)

Normal expression of tissue factor, thrombomodulin, and annexin V in placentas from women with antiphospholipid syndrome (Lakasing et al). 1999;181:180-9

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Fetal seizures causing increased heart rate variability during terminal fetal hypoxia (Westgate et al). 1999;181:765-6

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Unique epitopes of lactoferrin expressed in human cytotrophoblasts involved in immunologic reactions (Thaler et al). 1999;181:460-7

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### Aorta

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### Apgar score

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### Apoptosis

The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis (Mizutani et al). 1999;181:750-1

Maternal neutrophil apoptosis in normal pregnancy, preeclampsia, and normotensive intrauterine growth restriction (von Dadelszen et al). 1999;181:408-14

### Arteries

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Effects of acute and chronic hypoxia on nitric oxide-mediated relaxation of fetal guinea pig arteries (Thompson and Weiner). 1999;181:105-11

Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies (Baschat et al). 1999;181:190-5

Stimulated nitric oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and preeclamptic pregnancy (Anumba et al). 1999;181:1479-85

### Artificial insemination; *see* Insemination, artificial

### Asbestos

Correlation of asbestos fiber burdens in fallopian tubes and ovarian tissue (Heller et al). 1999;181:346-7

### Asphyxia neonatorum

Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

### Aspirin

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### Atrioventricular septal defect; *see* Heart septal defects, atrial

### Auscultation

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### Authorship

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### Autologous blood transfusion; *see* Blood transfusion, autologous

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### Bacterial amines; *see* Amines

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### Betamethasone

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### Biopsy

Positive cone biopsy specimen margins in women infected with the human immunodeficiency virus (Boardman et al). 1999;181:1395-9

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### Bladder diseases

Accuracy of clinical assessment of paravaginal defects in women with anterior vaginal wall prolapse (Barber et al). 1999;181:87-90

### Bleeding; *see* Hemorrhage

### Blood

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First-trimester fetal sex prediction by deoxyribonucleic acid analysis of maternal peripheral blood (Falcinelli et al). 1999;181:675-80

Neopterin concentrations in fetal and maternal blood: a marker of cell-mediated immune activation (Radunovic et al). 1999;181:170-3

### Blood cell count

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Nucleated red blood cell count at birth as an index of perinatal brain damage (Buonocore et al). 1999;181:1500-5

### Blood circulation

Effects of nitroglycerin and indometacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

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The effects of a low-dose monophasic preparation of levonorgestrel and ethinyl estradiol on coagulation and other hemostatic factors (Archer et al). 1999;181:S63-6

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How to increase the proportion of vaginal hysterectomies—bipolar coagulation (Weyl). 1999;181:768 (Letter)

### Blood flow velocity

Ductus venosus blood flow evaluation: its importance in the screening of chromosomal abnormalities (Montenegro et al) (Letter); (Borrell and Fortuny) (Reply). 1999;181:1042-3

**Blood flow velocity—cont'd**

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Umbilical vein blood flow determination in the ovine fetus: comparison of Doppler ultrasonographic and steady-state diffusion techniques (Galan et al). 1999;181:1149-53

**Blood gas analysis**

Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

Nucleated red blood cells as a marker of acidemia in term neonates (Hanlon-Lundberg and Kirby). 1999;181:196-201

**Blood glucose**

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Treatment of iatrogenic preivable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience (Quintero et al). 1999;181:744-9

**Blood pressure**

The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry (Buhimschi et al). 1999;181:159-64

The effect of an endothelin antagonist on blood pressure in a rat model of preeclampsia (Olson et al). 1999;181:638-41

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Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia (Natarajan et al). 1999;181:1203-10

**Blood transfusion, autologous**

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**Blood transfusion, intrauterine**

Acute cerebral redistribution in response to invasive procedures in the human fetus (Teixeira et al). 1999;181:1018-25

**Blood vessels**

Oxygen-dependent regulation of membrane potential and vascular tone of human umbilical vein (Mildenberger et al). 1999;181:696-700

**Body mass index**

When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes (Sacks et al). 1999;181:904-11

**Body temperature regulation**

Reduced thermoregulatory null zone in postmenopausal women with hot flashes (Freedman and Krell). 1999;181:66-70

**Bone and bones**

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Brachial plexus palsy: an in utero injury? (Allen) (Letter); (Gherman et al) (Reply). 1999;181:1271-2

**Brachytherapy**

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**Brain**

Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia (Belfort et al). 1999;181:402-7

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Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries (Wakatsuki et al). 1999;181:731-5

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**Brain damage**

Fetal rat brain damage caused by maternal seizure activity: prevention by magnesium sulfate (Hallak et al). 1999;181:828-34

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**Brain death**

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Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30

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### Breast feeding

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### Breast neoplasms

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### Breech presentation

Singleton term breech deliveries in nulliparous and multiparous women: a 5-year experience at The University of Miami/Jackson Memorial Hospital (Diro et al.). 1999;181:247-52

### Bronchopulmonary dysplasia

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Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al.). 1999;181:1445-51

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Jelly beans as an alternative to a fifty-gram glucose beverage for gestational diabetes screening (Lamar et al.). 1999;181:1154-7

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The effects of carbon dioxide pneumoperitoneum on seeding of tumor in port sites in a rat model (Hopkins et al.). 1999;181:1329-34

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Effect of nitric oxide and carbon monoxide on uterine contractility during human and rat pregnancy (Longo et al.). 1999;181:981-8

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### Catheterization

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### Cefotetan

Severe immune hemolytic anemia associated with prophylactic use of cefotetan in obstetric and gynecologic procedures (Garratty et al.). 1999;181:103-4

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Transplantation of CD34 human cells into mice with severe combined immunodeficiency results in functional T cells 4 weeks after transplantation (Polcaro et al.). 1999;181:80-6

### Centers for Disease Control and Prevention

Change in antibiotic resistance of group B *Streptococcus*: impact on intrapartum management (Morales et al.). 1999;181:310-4

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### Cerebral arteriovenous malformations

Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al.). 1999;181:296-303

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Cervical wet mount as a negative predictor for gonococci- and *Chlamydia trachomatis*-induced cervicitis in a gravid population (Bohmer et al.). 1999;181:283-7

Vaginitis, cervicitis, and cervical length in pregnancy (Boomgaard et al.). 1999;181:964-7

### Cervix

The association of interleukin 6 with clinical and laboratory parameters of acute pelvic inflammatory disease (Richter et al.). 1999;181:940-4

Cervical length and dilatation of the internal cervical os detected by vaginal ultrasonography as markers for preterm delivery: a systematic review (Leitich et al.). 1999;181:1465-72

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Collagenolysis in the lower uterine segment during parturition at term: correlations with stage of cervical dilatation and duration of labor (Winkler et al). 1999;181:153-8

The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7

Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison (Owen et al). 1999;181:780-3

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The clinical significance of the poor correlation of cervical dysplasia and cervical malignancy with referral cytologic results (Lonky et al). 1999;181:560-6

**Cervix incompetence**

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Prediction of preterm delivery with transvaginal ultrasonography of the cervix in patients with high-risk pregnancies: does cerclage prevent prematurity? (Berghella et al). 1999;181:809-15

**Cervix neoplasms**

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Positive cone biopsy specimen margins in women infected with the human immunodeficiency virus (Boardman et al). 1999;181:1395-9

Pregnancy after radical vaginal trachelectomy (Jelsema) (Letter); (Roy and Plante) (Reply). 1999;181:229-30

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Spontaneous resolution rate of grade 1 cervical intraepithelial neoplasia in a private practice population (Falls). 1999;181:278-82

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Cesarean delivery of twins and neonatal respiratory disorders (Chasen et al). 1999;181:1052-6

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Rate of uterine rupture during a trial of labor in women with one or two prior cesarean deliveries (Caughey et al). 1999;181:872-6

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Singleton term breech deliveries in nulliparous and multiparous women: a 5-year experience at The University of Miami/Jackson Memorial Hospital (Diro et al). 1999;181:247-52

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**Child development**

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**Children's Cancer Group**

Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

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Cervical wet mount as a negative predictor for gonococci- and *Chlamydia trachomatis*-induced cervicitis in a gravid population (Bohmer et al). 1999;181:283-7

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Expression of annexin II and associated p11 protein by differentiated choriocarcinoma Jar cells (Kaczan-Bourgois et al). 1999;181:1273 (Letter)

Molar pregnancy and risk for cancer in women and their male partners (Olsen et al). 1999;181:630-4

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Comparison of visual and computerized interpretation of nonstress test results in a randomized controlled trial (Bracero et al). 1999;181:1254-8

The effect of magnesium sulfate on fetal heart rate parameters: a randomized, placebo-controlled trial (Hallak et al). 1999;181:1122-7

Fetal death after normal biophysical profile score: an eighteen-year experience (Dayal et al). 1999;181:1231-6

A randomized clinical trial of daily nonstress testing versus biophysical profile in the management of preterm premature rupture of membranes (Lewis et al). 1999;181:1495-9

**Fetal presentation; see Labor presentation****Fetal surgery; see Surgery, fetal****Fetoscopy**

Gelatin sponge plug to seal fetoscopy port sites: technique in ovine and primate models (Luks et al). 1999;181:995-6

Treatment of iatrogenic preivable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience (Quintero et al). 1999;181:744-9

**Fetus**

Doppler ultrasonographic evidence of intrapartum brain-sparing effect in fetuses with low oxygen saturation according to pulse oximetry (Sütterlin et al). 1999;181:216-20

Fetal cell recycling: diagnosis of gender and *RhD* genotype in the same fetal cell retrieved from maternal blood (Sekizawa et al). 1999;181:1237-42

Immunolocalization of inducible nitric oxide synthase in human amnion (Thomson et al) (Letter); (Hsu and Parkash) (Reply). 1999;181:770

Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30

Intermittent umbilical cord occlusion in the ovine fetus near term: effects on behavioral state activity (Kawagoe et al). 1999;181:1520-9

Role of adenosine in regulation of brain temperature in fetal sheep (Suzuki and Power). 1999;181:681-7

**Fetus, drug effects**

Behavioral changes in developing mice after prenatal exposure to paroxetine (Paxil) (Coleman et al). 1999;181:1166-71

Cigarette smoking during pregnancy and risk of preeclampsia: a systematic review (Conde-Agudelo et al). 1999;181:1026-35 (AJOG reviews)

Effect of prenatal betamethasone administration on maternal and fetal corticosteroid-binding globulin concentrations (Jeffray et al). 1999;181:1546-51

Nicotine patch use in pregnant smokers: nicotine and cotinine levels and fetal effects (Ogburn et al). 1999;181:736-43

Racial patterns in the effects of tobacco use on fetal growth (Sprague et al). 1999;181:S22-7 (Symposium)

**Fibrinolysis**

Hemostatic responses to maximal exercise in oral contraceptive users (Otterstetter et al). 1999;181:958-63

**Finland**

Epidemiology of miscarriage and its relation to other reproductive events in Finland (Hemminki and Forssas). 1999;181:396-401

**First trimester of pregnancy; see Pregnancy trimester, first****Flow velocity; see Blood flow velocity****Foley catheter; see Catheterization****Forceps; see Obstetrical forceps****Forearm**

Stimulated nitric oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and preeclamptic pregnancy (Anumba et al). 1999;181:1479-85

**Function, sexual; see Coitus****G****Galactosidases**

Ultrasonographically guided direct gene transfer in utero: successful induction of  $\beta$ -galactosidase in a rabbit model (Baumgartner et al). 1999;181:848-52

### Gastric neoplasms

The evolution of *linitis plastica* as a consequence of advanced gastric carcinoma in pregnancy (Tewari et al). 1999;181:757-8

### Gelatin sponge, absorbable

Gelatin sponge plug to seal fetoscopy port sites: technique in ovine and primate models (Luks et al). 1999;181:995-6

### Gender; *see* Sex

### Gene transfer; *see* Transfection

### Genes

Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30

### Genetic screening

A five-year experience with fragile X screening of high-risk gravid women (Wenstrom et al). 1999;181:789-92

### Genetics

Etiology and pathogenesis of preeclampsia: current concepts (Schuiling and Faas) (Letter); (Dekker and Sibai) (Reply). 1999;181:1036-7

Indication-specific accuracy of second-trimester genetic ultrasonography for the detection of trisomy 21 (Vintzileos et al). 1999;181:1045-8

Preeclampsia and genetic risk factors for thrombosis: a case-control study (De Groot et al). 1999;181:975-80

Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1

### Genotype

Fetal cell recycling: diagnosis of gender and *RhD* genotype in the same fetal cell retrieved from maternal blood (Sekizawa et al). 1999;181:1237-42

### Gestational age

The Preterm Prediction Study: effect of gestational age and cause of preterm birth on subsequent obstetric outcome (Mercer et al). 1999;181:1216-21

### Gestational diabetes; *see* Diabetes, gestational

### Globulins

Effect of prenatal betamethasone administration on maternal and fetal corticosteroid-binding globulin concentrations (Jeffray et al). 1999;181:1546-51

### Glucose tolerance test

Alternative methods of diagnosing gestational diabetes mellitus (Atilano et al). 1999;181:1158-61

Effects of new criteria for type 2 diabetes on the rate of postpartum glucose intolerance in women with gestational diabetes (Conway and Langer). 1999;181:610-4

Insulin resistance and preeclampsia: is there a relationship? (Caruso et al) (Letter); (Catalano et al) (Reply). 1999;181:768-9

Jelly beans as an alternative to a fifty-gram glucose beverage for gestational diabetes screening (Lamar et al). 1999;181:1154-7

When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes (Sacks et al). 1999;181:904-11

### Glycoproteins

Anti- $\beta_2$ -glycoprotein I antibodies in women with recurrent spontaneous abortion, unexplained fetal death, and antiphospholipid syndrome (Lee et al). 1999;181:642-8

### Goals

Setting goals for reductions in Canadian cesarean delivery rates: benchmarking medical practice patterns (Richman). 1999;181:635-7

### Gonadorelin

The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis (Mizutani et al). 1999;181:750-1

Progestogen therapy during pituitary desensitization with gonadotropin-releasing hormone agonist prevents functional ovarian cyst formation: a prospective, randomized study (Engmann et al). 1999;181:576-82

### Gonadotropins, chorionic

Elevated maternal urine level of  $\beta$ -core fragment of human chorionic gonadotropin versus serum triple test in the second-trimester detection of Down syndrome (Bahado-Singh et al). 1999;181:929-33

Human chorionic gonadotropin exhibits potent inhibition of preterm delivery in a small animal model (Kurtzman et al). 1999;181:853-7

Prospective evaluation of free  $\beta$ -subunit of human chorionic gonadotropin and dimeric inhibin A for aneuploidy detection (Wenstrom et al). 1999;181:887-92

Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome (Yaron et al). 1999;181:968-74

### Gonorrhea

Cervical wet mount as a negative predictor for gonococci-and *Chlamydia trachomatis*-induced cervicitis in a gravid population (Bohmer et al). 1999;181:283-7

### Graft rejection

Functional failure of fascia lata allografts (FitzGerald et al). 1999;181:1339-46

### Group B streptococcus; *see* *Streptococcus agalactiae*

### Growth

Comprehensive fetal ultrasonographic growth measurements in triplet gestations (Rodis et al). 1999;181:1128-32

Relationship of umbilical vein blood flow to growth parameters in the human fetus (Barbera et al). 1999;181:174-9

### Growth-restricted fetus; *see* *Fetal growth retardation*

### Growth substances

Inhibition of human endometrial cancer cell growth in vitro and in vivo by somatostatin analog RC-160 (Mishima et al). 1999;181:583-90

### Guidelines

A trial of vaginal route for hysterectomy (Sheth) (Letter); (Kovac) (Reply). 1999;181:227-8

### Gynecologic Oncology Group

Significance of true surgical pathologic staging: a Gynecologic Oncology Group study (Creasman et al). 1999;181:31-4

### Gynecology

Acute pancreatitis after gynecologic and obstetric surgery (Ramsey and Podratch). 1999;181:542-6

Images, imagination and ideas: a perspective on the impact of ultrasonography on the practice of obstetrics and gynecology (Wade). 1999;181:235-9 (Pres. address)

Managed care in obstetrics and gynecology: can our specialty survive? (Harrison). 1999;181:328-31

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Mentoring in gynecology (Rock). 1999;181:1293-5 (Pres. address)  
New opportunities for researchers in obstetrics and gynecology through programs supported by the National Institute of Child Health and Human Development (McNellis and Alexander). 1999;181:221-5 (Education)  
Reproductive physician-scientists for the twenty-first century (Longo et al). 1999;181:934-9 (Clin. opinion)  
Residency training restructuring (Emery). 1999;181:1275-6 (Letter)

**H****Hazardous waste**

A review of the effects of hazardous waste on reproductive health (Johnson). 1999;181:S12-6 (Symposium)

**Health**

Keynote address: taming the tempest of teen pregnancy (Foster). 1999;181:S28-31 (Symposium)  
Morbidity Assessment Index for Newborns: a composite tool for measuring newborn health (Verma et al). 1999;181:701-8  
The role of calcium in health and disease (Power et al). 1999;181:1560-9 (AJOG reviews)

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Setting goals for reductions in Canadian cesarean delivery rates: benchmarking medical practice patterns (Richman). 1999;181:635-7

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Cardiac troponin T levels in umbilical cord blood (Shelton et al). 1999;181:1259-62

**Heart defects, congenital**

Atrioventricular septal defect in the fetus (Allan). 1999;181:1250-3  
Obstetric management in 219 cases of infants with hypoplastic left heart syndrome (Gilles et al) (Letter); (van de Ven) (Reply). 1999;181:226

**Heart failure, congestive**

Peripartum cardiomyopathy: summary of an international survey on peripartum cardiomyopathy (Veille and Zaccaro). 1999;181:315-9

**Heart rate**

The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry (Buhimschi et al). 1999;181:159-64

**Heart rate, fetal**

The clinical significance of intermittent sinusoidal fetal heart rate (Egley) (Letter); (Kang and Boehm) (Reply). 1999;181:1041-2  
The effect of magnesium sulfate on fetal heart rate parameters: a randomized, placebo-controlled trial (Hallak et al). 1999;181:1122-7

Fetal seizures causing increased heart rate variability during terminal fetal hypoxia (Westgate et al). 1999;181:765-6

Intermittent umbilical cord occlusion in the ovine fetus near term: effects on behavioral state activity (Kawagoe et al). 1999;181:1520-9

**Heart septal defects, atrial**

Atrioventricular septal defect in the fetus (Allan). 1999;181:1250-3

**HELLP syndrome**

HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9

Maternal mortality associated with HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome (Isler et al). 1999;181:924-8  
They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

**Hemodynamics**

Acute cerebral redistribution in response to invasive procedures in the human fetus (Teixeira et al). 1999;181:1018-25

Persistence of cerebral hemodynamic changes in patients with eclampsia: a report of three cases (Williams and Wilson). 1999;181:1162-5

A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6

**Hemolysis**

HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9

Maternal mortality associated with HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome (Isler et al). 1999;181:924-8

**Hemorrhage**

An evaluation of risk factors for endometrial hyperplasia in premenopausal women with abnormal menstrual bleeding (Farquhar et al). 1999;181:525-9

Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30

Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moon et al). 1999;181:1486-94

**Hemostasis**

The effects of a low-dose monophasic preparation of levonorgestrel and ethinyl estradiol on coagulation and other hemostatic factors (Archer et al). 1999;181:S63-6

Hemostatic responses to maximal exercise in oral contraceptive users (Otterstetter et al). 1999;181:958-63

**Heparin**

Changes in the pharmacokinetics of the low-molecular-weight heparin enoxaparin sodium during pregnancy (Casele et al). 1999;181:1113-7

Presentation of venous thromboembolism during pregnancy (Witlin et al). 1999;181:1118-21

Puerperal septic pelvic thrombophlebitis: incidence and response to heparin therapy (Brown et al). 1999;181:143-8

**Hernia**

The anatomic and functional outcomes of defect-specific rectocele repairs (Porter et al). 1999;181:1353-9

Enriching research culture in residency (Al-Hendy) (Letter); (DeLancey) (Reply). 1999;181:1271

Outcome after rectovaginal fascia reattachment for rectocele repair (Kenton et al). 1999;181:1360-4

**Heterozygote**

Incorrect recall of residual risk three years after carrier screening for cystic fibrosis: a comparison of two-step and couple screening (Marteau et al). 1999;181:165-9

**Histology**

The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7

## HIV

The cost-effectiveness of voluntary intrapartum rapid human immunodeficiency virus testing for women without adequate prenatal care (Grobman and Garcia). 1999;181:1062-71

Positive cone biopsy specimen margins in women infected with the human immunodeficiency virus (Boardman et al). 1999;181:1395-9

Trichomoniasis in pregnant human immunodeficiency virus-infected and human immunodeficiency virus-uninfected Congolese women: prevalence, risk factors, and association with low birth weight (Sutton et al). 1999;181:656-62

The use of human immunodeficiency virus postexposure prophylaxis after successful artificial insemination (Bloch et al). 1999;181:760-1

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Effects of human immunodeficiency virus 1 infection on microbial origins of pelvic inflammatory disease and on efficacy of ambulatory oral therapy (Bukusi et al). 1999;181:1374-81

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## Hormone replacement therapy; *see* Estrogen replacement therapy

## Hospitals

Cesarean delivery risk adjustment for regional interhospital comparisons (Glantz). 1999;181:1425-31

## Human chorionic gonadotropins; *see* Gonadotropins, chorionic

## Human immunodeficiency virus; *see* HIV

## Hyaluronic acid

Hyaluronic acid-carboxymethylcellulose film and perianastomotic adhesions in previously irradiated rats (Bowers et al). 1999;181:1335-8

## Hydatidiform mole

Molar pregnancy and risk for cancer in women and their male partners (Olsen et al). 1999;181:630-4

## Hydrocortisone

Maturation of cortisol responses to adrenocorticotropic hormone in twin fetal sheep *in vivo* (Block et al). 1999;181:498-502

## Hydrogen-ion concentration

The infrequent use of office-based diagnostic tests for vaginitis (Wiesenfeld and Macio). 1999;181:39-41

Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis (Chauhan et al). 1999;181:1473-8

Predictive value of fetal scalp blood lactate concentration and pH as markers of neurologic disability (Kruger et al). 1999;181:1072-8

## Hydroxysteroid dehydrogenases

Prevalence of 3 $\beta$ -hydroxysteroid dehydrogenase-deficient non-classic adrenal hyperplasia in hyperandrogenic women with adrenal androgen excess (Moran et al). 1999;181:596-600

## Hyperandrogens; *see* Androgens

## Hypercoagulability; *see* Blood coagulation

## Hypersensitivity

Atopy, the use of condoms, and a history of cesarean delivery: potential predisposing factors for latex sensitization in pregnant women (Chen et al). 1999;181:1461-4

## Hypertension

The location of chronic pregnancy hypertension on the vasoconstriction-volume spectrum: working hypothesis (Hon). 1999;181:137-42

The puzzling association between smoking and hypertension during pregnancy (Zhang et al). 1999;181:1407-13

A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6

A randomized, double-blind trial of oral nifedipine and intravenous labetalol in hypertensive emergencies of pregnancy (Vermillion et al). 1999;181:858-61

Safety of labor epidural anesthesia for women with severe hypertension disease (Hogg et al). 1999;181:1096-101

## Hypertension, pulmonary

Management of labor in Eisenmenger syndrome with inhaled nitric oxide (Lust et al). 1999;181:419-23

## Hyponatremia

They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

## Hypotension

Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30

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## Hysterectomy

Functional outcomes and satisfaction after abdominal hysterectomy (Weber et al). 1999;181:530-5

The impact of intraoperative autologous blood transfusion during type III radical hysterectomy for early-stage cervical cancer (Mirhashemi et al). 1999;181:1310-6

Laparoscopically assisted vaginal hysterectomy compared with total abdominal hysterectomy (Miskry et al) (Letter); (Marana and Zupi) (Reply). 1999;181:1580-1

Minilaparotomy hysterectomy—comments (Escamilla) (Letter); (Hoffman and Lynch) (Reply). 1999;181:1037-8

Recurrent cervical carcinoma after primary radical surgery (Wang et al). 1999;181:518-24

Risk adjustment for complications of hysterectomy: limitations of routinely collected administrative data (Myers and Steege). 1999;181:567-75

## Hysterectomy, vaginal

How to increase the proportion of vaginal hysterectomies—bipolar coagulation (Weyl). 1999;181:768 (Letter)

Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81

Laparoscopically assisted vaginal hysterectomy compared with total abdominal hysterectomy (Miskry et al) (Letter); (Marana and Zupi) (Reply). 1999;181:1580-1

A trial of vaginal route for hysterectomy (Sheth) (Letter); (Kovac) (Reply). 1999;181:227-8

## I

## Iatrogenic disease

Treatment of iatrogenic preivable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience (Quintero et al). 1999;181:744-9

## IgE

Atopy, the use of condoms, and a history of cesarean delivery: potential predisposing factors for latex sensitization in pregnant women (Chen et al). 1999;181:1461-4

## 8-Iso-prostaglandin F<sub>2 $\alpha$</sub> ; *see* Dinoprost

## Immune hemolytic anemia; *see* Anemia, hemolytic

**Immunity, cellular**

Neopterin concentrations in fetal and maternal blood: a marker of cell-mediated immune activation (Radunovic et al). 1999;181:170-3

**Immunology**

Unique epitopes of lactoferrin expressed in human cytotrophoblasts involved in immunologic reactions (Thaler et al). 1999;181:460-7

**Immunoscintigraphy; see Radioimmunodetection****Implantation, ovum; see Ovum implantation****Incontinence, urinary stress; see Urinary incontinence, stress****Indomethacin**

Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

Recent indomethacin tocolysis is not associated with neonatal complications in preterm infants (Vermillion and Newman). 1999;181:1083-6

**Induction of labor; see Labor, induced****Infant, low birth weight**

Incidence of morbidity (LeBlanc) (Letter); (Mercer et al) (Reply). 1999;181:1581-2

Labor and delivery characteristics and risks of cranial ultrasonographic abnormalities among very-low-birth-weight infants (Hansen et al). 1999;181:997-1006

Trichomoniasis in pregnant human immunodeficiency virus-infected and human immunodeficiency virus-uninfected

Congolese women: prevalence, risk factors, and association with low birth weight (Sutton et al). 1999;181:656-62

**Infant, newborn**

The capture rate of at-risk term newborns for early-onset group B streptococcal sepsis determined by a risk factor approach (Towers et al). 1999;181:1243-9

Incidence of intrapartum maternal risk factors for identifying neonates at risk for early-onset group B streptococcal sepsis: a prospective study (Towers et al). 1999;181:1197-202

Morbidity Assessment Index for Newborns: a composite tool for measuring newborn health (Verma et al). 1999;181:701-8

Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies (Baschat et al). 1999;181:190-5

Neurobehavioral effects of low-level lead exposure in human neonates (Emory et al). 1999;181:S2-11 (Symposium)

Neurobiology of infants born to women who exercise regularly throughout pregnancy (Friedman). 1999;181:1038-9 (Letter)

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

Rotational versus nonrotational forceps: maternal and neonatal outcomes (Feldman et al). 1999;181:1185-7

**Infant, newborn, diseases**

Abnormal presentation in labor and fetal growth of affected infants with type III Ehlers-Danlos syndrome (Roop and Brost). 1999;181:752-3

Antibiotic use in pregnancy and drug-resistant infant sepsis (Mercer et al). 1999;181:816-21

Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

Cesarean delivery of twins and neonatal respiratory disorders (Chasen et al). 1999;181:1052-6

Incidence of morbidity (LeBlanc) (Letter); (Mercer et al) (Reply). 1999;181:1581-2

Macrosomia revisited: ponderal index and leptin delineate subtypes of fetal overgrowth (Lepercq et al). 1999;181:621-5

Neonatal sepsis after betamethasone administration to patients with preterm premature rupture of membranes (Vermillion et al). 1999;181:320-7

Nucleated red blood cell count at birth as an index of perinatal brain damage (Buonocore et al). 1999;181:1500-5

Nucleated red blood cells as a marker of acidemia in term neonates (Hanlon-Lundberg and Kirby). 1999;181:196-201

Obstetric management in 219 cases of infants with hypoplastic left heart syndrome (Gilles et al) (Letter); (van de Ven) (Reply). 1999;181:226

Prediction by maternal risk factors of neonatal intensive care admissions: evaluation of >59,000 women in national managed care programs (Ross et al). 1999;181:835-42

Recent indomethacin tocolysis is not associated with neonatal complications in preterm infants (Vermillion and Newman). 1999;181:1083-6

**Infant, premature, diseases**

Delivery of the marginally preterm infant: what are the minor morbidities? (Seubert et al). 1999;181:1087-91

Multiple courses of antenatal corticosteroids and outcome of preterm neonates (Banks et al). 1999;181:709-17

Recent indomethacin tocolysis is not associated with neonatal complications in preterm infants (Vermillion and Newman). 1999;181:1083-6

A systemic fetal inflammatory response and the development of bronchopulmonary dysplasia (Yoon et al). 1999;181:773-9

**Infant, small for gestational age**

Determinants of abdominal circumference (Bernstein and Catalano). 1999;181:1038 (Letter)

**Infant death**

Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

**Infection**

Immunolocalization of inducible nitric oxide synthase in human amnion (Thomson et al) (Letter); (Hsu and Parkash) (Reply). 1999;181:770

Localized increase in nitric oxide production and the expression of nitric oxide synthase isoforms in rat uterus with experimental intrauterine infection (Fang et al). 1999;181:601-9

**Infertility, female**

Management of long-standing unexplained infertility: a prospective study (Aboulghar et al). 1999;181:371-5

The pattern of infertility diagnoses in women of advanced reproductive age (Miller et al). 1999;181:952-7

**Infusions, intravenous**

Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moor et al). 1999;181:1486-94

Oral nicardipine versus intravenous magnesium sulfate for the treatment of preterm labor (Larmon et al). 1999;181:1432-7

A randomized, double-blind trial of oral nifedipine and intravenous labetalol in hypertensive emergencies of pregnancy (Vermillion et al). 1999;181:858-61

**Inhaled administration; see Administration, inhalation**

**Inhibin**

Prospective evaluation of free  $\beta$ -subunit of human chorionic gonadotropin and dimeric inhibin A for aneuploidy detection (Wenstrom et al). 1999;181:887-92

Second-trimester maternal serum inhibin A concentration as an early marker for preeclampsia (Aquilina et al). 1999;181:131-6

**Injections**

Oral methotrexate compared with injected methotrexate when used with misoprostol for abortion (Wiebe). 1999;181:149-52

**Insemination, artificial**

The use of human immunodeficiency virus postexposure prophylaxis after successful artificial insemination (Bloch et al). 1999;181:760-1

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Macrosomia revisited: ponderal index and leptin delineate subtypes of fetal overgrowth (Lepercq et al). 1999;181:621-5

**Insulin resistance**

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**Intensive care units, neonatal**

Prediction by maternal risk factors of neonatal intensive care admissions: evaluation of >59,000 women in national managed care programs (Ross et al). 1999;181:835-42

**Interleukin-1**

Expression of the placental cytokines tumor necrosis factor  $\alpha$ , interleukin 1 $\beta$ , and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20

The nuclear transcription factor NF- $\kappa$ B mediates interleukin-1 $\beta$ -induced expression of cyclooxygenase-2 in human myometrial cells (Belt et al). 1999;181:359-66

**Interleukin-6**

The association of interleukin 6 with clinical and laboratory parameters of acute pelvic inflammatory disease (Richter et al). 1999;181:940-4

Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments (Yoon et al). 1999;181:784-8

A systemic fetal inflammatory response and the development of bronchopulmonary dysplasia (Yoon et al). 1999;181:773-9

**Interleukin-10**

Expression of the placental cytokines tumor necrosis factor  $\alpha$ , interleukin 1 $\beta$ , and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20

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Use of the Pelvic Organ Prolapse staging system of the International Continence Society, American Urogynecologic Society, and Society of Gynecologic Surgeons in perimenopausal women (Bland et al). 1999;181:1324-8

**Internship and residency**

Residency training restructuring (Emery). 1999;181:1275-6 (Letter)

Strength of indication for cesarean delivery: comparison of private physician versus resident service labor management (Peipert et al). 1999;181:435-9

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**Intraoperative complications**

Injury of the rectum during vaginal surgery (Hoffman et al). 1999;181:274-7

**Intrauterine devices**

The intrauterine contraceptive device: an often-forgotten and maligned method of contraception (Dardano and Burkman). 1999;181:1-5 (Clin. opinion)

The mechanism of action of hormonal contraceptives and intrauterine contraceptive devices (Rivera et al). 1999;181:1263-9 (AJOG reviews)

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**Intravaginal administration; see Administration, intravaginal**

**Ischemia**

Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries (Wakatsuki et al). 1999;181:731-5

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**Jelly beans; see Candy**

**K**

**Karyotyping**

Utility of minor ultrasonographic markers in the prediction of abnormal fetal karyotype at a prenatal diagnostic center (Sohl et al). 1999;181:898-903

**Kynurenone**

Tryptophan metabolism in pregnant sheep: increased fetal kynurenone production in response to maternal tryptophan loading (Nicholls et al). 1999;181:1452-60

**L**

**Labetalol**

A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6

A randomized, double-blind trial of oral nifedipine and intravenous labetalol in hypertensive emergencies of pregnancy (Vermillion et al). 1999;181:858-61

**Labor**

Collagenolysis in the lower uterine segment during parturition at term: correlations with stage of cervical dilatation and duration of labor (Winkler et al). 1999;181:153-8

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Safety of labor epidural anesthesia for women with severe hypertension disease (Hogg et al). 1999;181:1096-101

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Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor (Wu et al). 1999;181:1512-9

The tumor necrosis factor  $\alpha$  and its soluble receptor profile in term and preterm parturition (Maymon et al). 1999;181:1142-8

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A randomized comparison of oral misoprostol versus Foley catheter and oxytocin for induction of labor at term (Abramovici et al). 1999;181:1108-12

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**Labor presentation**

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Effect of fetal presentation on the amniotic fluid index (Brost et al). 1999;181:1222-4

Pregnancy outcome after successful external cephalic version (Siddiqui et al). 1999;181:1092-5

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**Lactation**

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**Lead**

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### Learning

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### Leuprolide

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### Levonorgestrel

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The effects of a low-dose monophasic preparation of levonorgestrel and ethinyl estradiol on coagulation and other hemostatic factors (Archer et al). 1999;181:S63-6

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Efficacy and safety of a low-dose monophasic combination oral contraceptive containing 100 µg levonorgestrel and 20 µg ethinyl estradiol (Alesse) (Archer et al). 1999;181:S39-44

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A multicenter randomized comparison of cycle control and laboratory findings with oral contraceptive agents containing 100 micrograms levonorgestrel with 20 micrograms ethinyl estradiol or triphasic norethindrone with ethinyl estradiol (Reisman et al). 1999;181:S45-52

### Lidocaine

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

### Linitis plastica

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### Lipids

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### Liver

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### Liver failure

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### Macrosomia, fetal; *see* Fetal macrosomia

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Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia (Belfort et al). 1999;181:402-7

The effect of magnesium sulfate on fetal heart rate parameters: a randomized, placebo-controlled trial (Hallak et al). 1999;181: 1122-7

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**Mass screening**

Incorrect recall of residual risk three years after carrier screening for cystic fibrosis: a comparison of two-step and couple screening (Marteau et al). 1999;181:165-9

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Behavioral changes in developing mice after prenatal exposure to paroxetine (Paxil) (Coleman et al). 1999;181:1166-71

**Maternal outcome; *see* Pregnancy outcome****May-Hegglin anomaly**

May-Hegglin anomaly and uncomplicated vaginal delivery: a report of 41 cases (Bizzaro). 1999;181:226-7 (Letter)

**Membrane potentials**

Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51

Oxygen-dependent regulation of membrane potential and vascular tone of human umbilical vein (Mildenberger et al). 1999;181:696-703

**Membranes**

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**Menopause**

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An evaluation of risk factors for endometrial hyperplasia in premenopausal women with abnormal menstrual bleeding (Farquhar et al). 1999;181:525-9

Reduced thermoregulatory null zone in postmenopausal women with hot flashes (Freedman and Krell). 1999;181:66-70

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Sequentially combined hormone replacement therapy reduces impedance to flow within the uterine and central retinal arteries in healthy postmenopausal women (van Baal et al). 1999;181:1365-73

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**Menstrual cycle**

Localization and expression of oxytocin receptor and its messenger ribonucleic acid in peri-implantation phase human endometrium during control and clomiphene-treated cycles (Dawood et al). 1999;181:50-6

A multicenter randomized comparison of cycle control and laboratory findings with oral contraceptive agents containing 100 micrograms levonorgestrel with 20 micrograms ethinodiol or triphasic norethindrone with ethinodiol (Reisman et al). 1999;181:S45-52

**Menstruation**

An evaluation of risk factors for endometrial hyperplasia in premenopausal women with abnormal menstrual bleeding (Farquhar et al). 1999;181:525-9

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**Metalloproteinases**

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Efficacy of methotrexate treatment in viable and nonviable cervical pregnancies (Kung and Chang). 1999;181:1438-44

Oral methotrexate compared with injected methotrexate when used with misoprostol for abortion (Wiebe). 1999;181:149-52

Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy (Mol et al). 1999;181:945-51

**Methylenetetrahydrofolate**

Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30

Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1

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#### Mifepristone

Early pregnancy termination with intravaginally administered sodium chloride solution-moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91

Use of various ultrasonographic criteria to evaluate the efficacy of mifepristone and misoprostol for medical abortion (Creinin and Spitz). 1999;181:1419-24

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#### Misoprostol

Early pregnancy termination with intravaginally administered sodium chloride solution-moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91

Labor induction with misoprostol (Wing). 1999;181:339-45 (Clin. opinion)

Oral methotrexate compared with injected methotrexate when used with misoprostol for abortion (Wiebe). 1999;181:149-52

Randomized comparison between intravaginal misoprostol and dinoprostone for cervical ripening and induction of labor (Nunes et al). 1999;181:626-9

A randomized comparison of oral misoprostol versus Foley catheter and oxytocin for induction of labor at term (Abramovici et al). 1999;181:1108-12

Second-trimester uterine evacuation: a comparison of intra-amniotic (15S)-15-methyl-prostaglandin F<sub>2α</sub> and intravaginal misoprostol (Perry et al). 1999;181:1057-61

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#### Mitogens

Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells (Molnár et al). 1999;181:42-9

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#### Monoclonal antibodies; *see* Antibodies, monoclonal

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Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

The clinical significance of intermittent sinusoidal fetal heart rate (Egley) (Letter); (Kang and Boehm) (Reply). 1999;181:1041-2

Delivery of the marginally preterm infant: what are the minor morbidities? (Seubert et al). 1999;181:1087-91

Incidence of morbidity (LeBlanc) (Letter); (Mercer et al) (Reply). 1999;181:1581-2

Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81

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#### Morbidity Assessment Index for Newborns

Morbidity Assessment Index for Newborns: a composite tool for measuring newborn health (Verma et al). 1999;181:701-8

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Incidence of uterine rupture among women with müllerian duct anomalies who attempt vaginal birth after cesarean delivery (Ravasia et al). 1999;181:877-81

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Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51

#### Mutation

Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30

Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1

#### Myocardial diseases

Peripartum cardiomyopathy: summary of an international survey on peripartum cardiomyopathy (Veille and Zaccaro). 1999;181:315-9

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Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor (Wu et al). 1999;181:1512-9

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#### National Institute of Child Health and Human Development

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Trocar implantation metastasis after laparoscopy in patients with advanced ovarian cancer: can the risk be reduced? (van Dam et al). 1999;181:536-41

#### Neoplasm staging

Significance of true surgical pathologic staging: a Gynecologic Oncology Group study (Creasman et al). 1999;181:31-4

**Neoplasms**

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Neopterin concentrations in fetal and maternal blood: a marker of cell-mediated immune activation (Radunovic et al). 1999;181:170-3

**Neovascularization**

Angiogenesis in cervical intraepithelial neoplasia and the risk of recurrence (Tjalma et al). 1999;181:554-9

**Nephrotic syndrome**

They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

**Nerve block**

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

**Nerve growth factors**

Nerve growth factor, brain-derived neurotrophic factor, and neurotrophin-3 levels in human amniotic fluid (Marx et al). 1999;181:1125-30

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Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy (Mol et al). 1999;181:945-51

**Neural tube defects**

A flawed experiment, again (Kalter) (Letter); (Wiznitzer and Reece) (Reply). 1999;181:1039-40

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Neurobiology of infants born to women who exercise regularly throughout pregnancy (Friedman). 1999;181:1038-9 (Letter)

**Neurologic manifestations**

Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al). 1999;181:296-303

Predictive value of fetal scalp blood lactate concentration and pH as markers of neurologic disability (Kruger et al). 1999;181:1072-8

**Neurons**

Nerve growth factor, brain-derived neurotrophic factor, and neurotrophin-3 levels in human amniotic fluid (Marx et al). 1999;181:1125-30

**Neuropeptide Y**

Neuropeptide Y and nitrite levels in preeclamptic and normotensive gravid women (Egerman et al). 1999;181:921-3

**Neutrophils**

Maternal neutrophil apoptosis in normal pregnancy, preeclampsia, and normotensive intrauterine growth restriction (von Dadelszen et al). 1999;181:408-14

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The nuclear transcription factor NF- $\kappa$ B mediates interleukin-1 $\beta$ -induced expression of cyclooxygenase-2 in human myometrial cells (Belt et al). 1999;181:359-66

**Nicardipine**

Oral nicardipine versus intravenous magnesium sulfate for the treatment of preterm labor (Larmon et al). 1999;181:1432-7

**Nicotine**

Nicotine patch use in pregnant smokers: nicotine and cotinine levels and fetal effects (Ogburn et al). 1999;181:736-43

**Nifedipine**

Maintenance of oral nifedipine for preterm labor: a randomized clinical trial (Carr et al). 1999;181:822-7

A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6

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**Nipples**

A novel correction of inverted nipples during pregnancy (Scholten). 1999;181:228-9 (Letter)

**Nitric oxide**

Decreasing estrogen in nonpregnant women lowers uterine myometrial type I nitric oxide synthase protein expression (Weeks et al). 1999;181:25-30

The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry (Buhimschi et al). 1999;181:159-64

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Effect of placental tissue on inhibition of uterine contraction by nitric oxide donors (Syal et al). 1999;181:415-8

Effects of acute and chronic hypoxia on nitric oxide-mediated relaxation of fetal guinea pig arteries (Thompson and Weiner). 1999;181:105-11

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Neuropeptide Y and nitrite levels in preeclamptic and normotensive gravid women (Egerman et al). 1999;181:921-3

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Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

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### Norethindrone

A multicenter randomized comparison of cycle control and laboratory findings with oral contraceptive agents containing 100 micrograms levonorgestrel with 20 micrograms ethinyl estradiol or triphasic norethindrone with ethinyl estradiol (Reisman et al). 1999;181:S45-52

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Hypoxia, the subsequent systemic metabolic acidosis, and their relationship with cerebral metabolite concentrations: an *in vivo* study in fetal lambs with proton magnetic resonance spectroscopy (van Walsum et al). 1999;181:1537-45

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Misleading authors' inferences in obstetric diagnostic test literature (Khan et al). 1999;181:112-5

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Acute pancreatitis after gynecologic and obstetric surgery (Ramsey and Podratz). 1999;181:542-6

Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al). 1999;181:296-303

Images, imagination and ideas: a perspective on the impact of ultrasonography on the practice of obstetrics and gynecology (Wade). 1999;181:235-9 (Pres. address)

Managed care in obstetrics and gynecology: can our specialty survive? (Harrison). 1999;181:328-31

New opportunities for researchers in obstetrics and gynecology through programs supported by the National Institute of Child Health and Human Development (McNellis and Alexander). 1999;181:221-5 (Education)

Reproductive physician-scientists for the twenty-first century (Longo et al). 1999;181:934-9 (Clin. opinion)

Residency training restructuring (Emery). 1999;181:1275-6 (Letter)

### Office, physician; *see* Physicians' offices

### Oligohydramnios

Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments (Yoon et al). 1999;181:784-8

### Omentum, blood supply

A comparative study of vascular responsiveness of myometrial and omental small resistance arteries in late-gestation sheep (Anwar et al). 1999;181:663-8

### Operation, gynecologic; *see* Surgery, gynecologic

### Oral administration; *see* Administration, oral

### Oral contraceptives; *see* Contraceptives, oral

### Oscillometry

Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia (Natarajan et al). 1999;181:1203-10

### Osteoporosis

The role of calcium in health and disease (Power et al). 1999;181:1560-9 (AJOG reviews)

### Outcome of pregnancy; *see* Pregnancy outcome

### Outpatient care; *see* Ambulatory care

### Ovarian cysts

Progestogen therapy during pituitary desensitization with gonadotropin-releasing hormone agonist prevents functional ovarian cyst formation: a prospective, randomized study (Engmann et al). 1999;181:576-82

### Ovarian neoplasms

Adnexal masses in pregnancy: a review of 130 cases undergoing surgical management (Whitecar et al). 1999;181:19-24

A comparison of methods for preoperative discrimination between malignant and benign adnexal masses: the development of a new logistic regression model (Timmerman et al). 1999;181:57-65

Correlation of asbestos fiber burdens in fallopian tubes and ovarian tissue (Heller et al). 1999;181:346-7

The effects of carbon dioxide pneumoperitoneum on seeding of tumor in port sites in a rat model (Hopkins et al). 1999;181:1329-34

Monoclonal antibody MAB-170 for immunoscintigraphic detection of ovarian tumors (Alexander et al). 1999;181:513-7

Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

Trocars implantation metastasis after laparoscopy in patients with advanced ovarian cancer: can the risk be reduced? (van Dam et al). 1999;181:536-41

### Ovariectomy

Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81

### Ovary

The effects on ovarian activity of a monophasic oral contraceptive with 100 µg levonorgestrel and 20 µg ethinyl estradiol (Coney and DelConte). 1999;181:S53-8

### Ovum implantation

Localization and expression of oxytocin receptor and its messenger ribonucleic acid in peri-implantation phase human endometrium during control and clomiphene-treated cycles (Dawood et al). 1999;181:50-6

### Oximetry

Doppler ultrasonographic evidence of intrapartum brain-sparing effect in fetuses with low oxygen saturation according to pulse oximetry (Sütterlin et al). 1999;181:216-20

Oxygen-dependent regulation of membrane potential and vascular tone of human umbilical vein (Mildenberger et al). 1999;181:696-700

Relationship between flow through the fetal aortic isthmus and cerebral oxygenation during acute placental circulatory insufficiency in ovine fetuses (Fouron et al). 1999;181:1102-7

**Oxytocin**

Intracellular calcium stores and agonist-induced contractions in isolated human myometrium (Luckas et al). 1999;181:468-76

Localization and expression of oxytocin receptor and its messenger ribonucleic acid in peri-implantation phase human endometrium during control and clomiphene-treated cycles (Dawood et al). 1999;181:50-6

Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells (Molnár et al). 1999;181:42-9

Oxytocin-stimulated capacitative calcium entry in human myometrial cells (Monga et al). 1999;181:424-9

Uterine rupture during induced or augmented labor in gravid women with one prior cesarean delivery (Zelop et al). 1999;181:882-6

**P****Pain**

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

**Pancreatitis**

Acute pancreatitis after gynecologic and obstetric surgery (Ramsey and Podratz). 1999;181:542-6

**Papanicolaou smear; see Vaginal smears****Papillomaviruses**

Assessing gains in diagnostic utility when human papillomavirus testing is used as an adjunct to Papanicolaou smear in the triage of women with cervical cytologic abnormalities (Franco and Ferenczy). 1999;181:382-6

Spontaneous resolution rate of grade 1 cervical intraepithelial neoplasia in a private practice population (Falls). 1999;181:278-82

**Parity**

Episiotomy, operative vaginal delivery, and significant perineal trauma in nulliparous women (Robinson et al). 1999;181:1180-4

Perinatal outcome in grand and great-grand multiparity: effects of parity on obstetric risk factors (Babinszki et al). 1999;181:669-74

Singleton term breech deliveries in nulliparous and multiparous women: a 5-year experience at The University of Miami/Jackson Memorial Hospital (Diro et al). 1999;181:247-52

**Paroxetine**

Behavioral changes in developing mice after prenatal exposure to paroxetine (Paxil) (Coleman et al). 1999;181:1166-71

**Parturition; see Labor****Patient compliance**

Observed patient compliance with a structured outpatient bladder retraining program (Visco et al). 1999;181:1392-4

**Pediatric Oncology Group**

Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

**Pelvic inflammatory disease; see Adnexitis****Pelvic organ prolapse; see Uterine prolapse****Pelvis**

Enriching research culture in residency (Al-Hendy) (Letter); (DeLancey) (Reply). 1999;181:1271

Puerperal septic pelvic thrombophlebitis: incidence and response to heparin therapy (Brown et al). 1999;181:143-8

**Penis**

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

**Perfusion**

Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia (Belfort et al). 1999;181:402-7

Syncytiotrophoblastic fragments in first-trimester decidua veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

**Perianastomotic adhesions; see Adhesions****Perimenopausal women; see Menopause****Perineum**

Episiotomy, operative vaginal delivery, and significant perineal trauma in nulliparous women (Robinson et al). 1999;181:1180-4

Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison (Owen et al). 1999;181:780-3

**Periventricular leukomalacia; see Leukomalacia, periventricular Pessaries**

Estradiol-delivering vaginal rings for hormone replacement therapy (Nash et al). 1999;181:1400-6

**pH; see Hydrogen-ion concentration****Pharmacokinetics**

Changes in the pharmacokinetics of the low-molecular-weight heparin enoxaparin sodium during pregnancy (Casele et al). 1999;181:1113-7

**Physical abuse; see Spouse abuse****Physicians**

Reproductive physician-scientists for the twenty-first century (Longo et al). 1999;181:934-9 (Clin. opinion)

**Physicians' offices**

The infrequent use of office-based diagnostic tests for vaginitis (Wiesenfeld and Macio). 1999;181:39-41

**Physician's practice patterns**

Setting goals for reductions in Canadian cesarean delivery rates: benchmarking medical practice patterns (Richman). 1999;181:635-7

**Pituitary gland**

Progesterone therapy during pituitary desensitization with gonadotropin-releasing hormone agonist prevents functional ovarian cyst formation: a prospective, randomized study (Engmann et al). 1999;181:576-82

**Placenta**

Cannabinoid receptors and their role in the regulation of the serotonin transporter in human placenta (Kenney et al). 1999;181:491-7

Cytokine abundance in placental tissues: evidence of inflammatory activation in gestational membranes with term and preterm parturition (Keelan et al). 1999;181:1530-6

Different placentation patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management (Kemp et al). 1999;181:615-20

Effect of placental tissue on inhibition of uterine contraction by nitric oxide donors (Syal et al). 1999;181:415-8

Elevated level of free 8-iso-prostaglandin F<sub>2α</sub> in the decidua basalis of women with preeclampsia (Staff et al). 1999;181:1211-5

Expression of the placental cytokines tumor necrosis factor α, interleukin 1β, and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20

Maternal arterial connections to the placental intervillous space during the first trimester of human pregnancy: the Boyd Collection revisited (Burton et al). 1999;181:718-24

Normal expression of tissue factor, thrombomodulin, and annexin V in placentas from women with antiphospholipid syndrome (Lakasing et al). 1999;181:180-9

Relationship between flow through the fetal aortic isthmus and cerebral oxygenation during acute placental circulatory insufficiency in ovine fetuses (Fouron et al). 1999;181:1102-7

The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7

Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor (Wu et al). 1999;181:1512-9

Unique epitopes of lactoferrin expressed in human cytotrophoblasts involved in immunologic reactions (Thaler et al). 1999;181:460-7

**Plasma**

Predicting risk of preterm delivery by second-trimester measurement of maternal plasma corticotropin-releasing hormone and α-fetoprotein concentrations (McLean et al). 1999;181:207-15

**Platelet count**

HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9

Maternal mortality associated with HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome (Isler et al). 1999;181:924-8

**Platelets; see Blood platelets**

**Pneumoperitoneum**

The effects of carbon dioxide pneumoperitoneum on seeding of tumor in port sites in a rat model (Hopkins et al). 1999;181:1329-34

**Polyhydramnios**

Idiopathic polyhydramnios and perinatal outcome (Panting-Kemp et al). 1999;181:1079-82

Relationship between graded degrees of anemia and amniotic fluid volume in the ovine fetus (Sohl and Brace). 1999;181:1552-9

**Polymorphism**

Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30

**Postmenopause; see Menopause**

**Postoperative complications**

Acute pancreatitis after gynecologic and obstetric surgery (Ramsey and Podratz). 1999;181:542-6

Risk adjustment for complications of hysterectomy: limitations of routinely collected administrative data (Myers and Steege). 1999;181:567-75

**Potassium channels**

Roles of potassium channels and nitric oxide in modulation of uterine contractions in rat pregnancy (Okawa et al). 1999;181:649-55

**Poverty**

Teen pregnancy—problems and approaches: panel presentation (Foster et al). 1999;181:S32-6 (Symposium)

**Predictive value of tests**

Positive predictive value of suspected growth aberration in twin gestations (Grobman and Parilla). 1999;181:1139-41

Predictive value of fetal scalp blood lactate concentration and pH as markers of neurologic disability (Kruger et al). 1999;181:1072-8

**Preeclampsia; see also Pregnancy complications, cardiovascular**

Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia (Belfort et al). 1999;181:402-7

Cigarette smoking during pregnancy and risk of preeclampsia: a systematic review (Conde-Agudelo et al). 1999;181:1026-35 (AJOG reviews)

Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia (Natarajan et al). 1999;181:1203-10

The effect of an endothelin antagonist on blood pressure in a rat model of preeclampsia (Olson et al). 1999;181:638-41

Elevated level of free 8-iso-prostaglandin F<sub>2α</sub> in the decidua basalis of women with preeclampsia (Staff et al). 1999;181:1211-5

Erythrocyte life span, preeclampsia, and hypercoagulability (Lurie and Glezerman) (Letter); (Kaibara) (Reply). 1999;181:1276-7

Etiology and pathogenesis of preeclampsia: current concepts (Schuiling and Faas) (Letter); (Dekker and Sibai) (Reply). 1999;181:1036-7

Expression of the placental cytokines tumor necrosis factor α, interleukin 1β, and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20

Insulin resistance and preeclampsia: is there a relationship? (Caruso et al) (Letter); (Catalano et al) (Reply). 1999;181:768-9

Maternal neutrophil apoptosis in normal pregnancy, preeclampsia, and normotensive intrauterine growth restriction (von Dadelszen et al). 1999;181:408-14

Neuropeptide Y and nitrite levels in preeclamptic and normotensive gravid women (Egerman et al). 1999;181:921-3

Preeclampsia and genetic risk factors for thrombosis: a case-control study (De Groot et al). 1999;181:975-80

A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6

Safety of labor epidural anesthesia for women with severe hypertension disease (Hogg et al). 1999;181:1096-101

Second-trimester maternal serum inhibin A concentration as an early marker for preeclampsia (Aquilina et al). 1999;181:131-6

**Preeclampsia; see also Pregnancy complications, cardiovascular—cont'd**

Stimulated nitric oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and preeclamptic pregnancy (Anumba et al). 1999;181:1479-85

They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

Too little, too late (Sullivan et al) (Letter); (Sibai) (Reply). 1999;181:508-9

Urinary cotinine concentration confirms the reduced risk of preeclampsia with tobacco exposure (Lain et al). 1999;181:1192-6

**Pregnancy**

Work and pregnancy: the role of fatigue and the "second shift" on antenatal morbidity (Luke et al). 1999;181:1172-9

**Pregnancy, cervical**

Efficacy of methotrexate treatment in viable and nonviable cervical pregnancies (Kung and Chang). 1999;181:1438-44

**Pregnancy, drug effects**

Cannabinoid receptors and their role in the regulation of the serotonin transporter in human placenta (Kenney et al). 1999;181:491-7

**Pregnancy, ectopic**

Different placentation patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management (Kemp et al). 1999;181:615-20

**Pregnancy, multiple**

Aggressive perinatal care for high-order multiple gestations: does good perinatal outcome justify aggressive assisted reproductive techniques? (Angel et al). 1999;181:253-9

Cesarean delivery of twins and neonatal respiratory disorders (Chasen et al). 1999;181:1052-6

Comprehensive fetal ultrasonographic growth measurements in triplet gestations (Rodis et al). 1999;181:1128-32

Excess of male fetuses in connection with twin pregnancies resulting in very preterm birth (Jakobovits) (Letter); (Cooperstock) (Reply). 1999;181:1580

Gestational diabetes mellitus: metabolic and blood glucose parameters in singleton versus twin pregnancies (Schwartz et al). 1999;181:912-4

Maturation of cortisol responses to adrenocorticotrophic hormone in twin fetal sheep *in vivo* (Block et al). 1999;181:498-502

Positive predictive value of suspected growth aberration in twin gestations (Grobman and Parilla). 1999;181:1139-41

Ultrasonographic diagnosis of thoracopagus conjoined twins in a monoamniotic triplet gestation (Wax et al). 1999;181:755-6

**Pregnancy, physiology**

Changes in the pharmacokinetics of the low-molecular-weight heparin enoxaparin sodium during pregnancy (Casele et al). 1999;181:1113-7

A comparative study of vascular responsiveness of myometrial and omental small resistance arteries in late-gestation sheep (Anwar et al). 1999;181:663-8

Effect of nitric oxide and carbon monoxide on uterine contractility during human and rat pregnancy (Longo et al). 1999;181:981-8

Effect of placental tissue on inhibition of uterine contraction by nitric oxide donors (Syal et al). 1999;181:415-8

Lipoprotein metabolism during normal pregnancy (Brizzi et al). 1999;181:430-4

Oxytocin-stimulated capacitative calcium entry in human myometrial cells (Monga et al). 1999;181:424-9

A role for the novel cytokine RANTES in pregnancy and parturition (Athayde et al). 1999;181:989-94

Roles of potassium channels and nitric oxide in modulation of uterine contractions in rat pregnancy (Okawa et al). 1999;181:649-55

Tryptophan metabolism in pregnant sheep: increased fetal kynureine production in response to maternal tryptophan loading (Nicholls et al). 1999;181:1452-60

Umbilical amino acid uptake at increasing maternal amino acid concentrations: effect of a maternal amino acid infusate (Ronzoni et al). 1999;181:477-83

**Pregnancy, prolonged**

Receiver operating characteristic curves of ultrasonographic estimates of fetal weight for prediction of fetal growth restriction in prolonged pregnancies (O'Reilly-Green and Divon). 1999;181:1133-8

**Pregnancy, tubal**

Different placentation patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management (Kemp et al). 1999;181:615-20

Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy (Mol et al). 1999;181:945-51

**Pregnancy complications**

Alternative methods of diagnosing gestational diabetes mellitus (Atilano et al). 1999;181:1158-61

Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments (Yoon et al). 1999;181:784-8

Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al). 1999;181:296-303

The effects of first-trimester diabetes control on the incidence of macrosomia (Rey et al). 1999;181:202-6

Effects of new criteria for type 2 diabetes on the rate of postpartum glucose intolerance in women with gestational diabetes (Conway and Langer). 1999;181:610-4

Efficacy of methotrexate treatment in viable and nonviable cervical pregnancies (Kung and Chang). 1999;181:1438-44

A flawed experiment, again (Kalter) (Letter); (Wiznitzer and Reece) (Reply). 1999;181:1039-40

Gestational diabetes mellitus: metabolic and blood glucose parameters in singleton versus twin pregnancies (Schwartz et al). 1999;181:912-4

Jelly beans as an alternative to a fifty-gram glucose beverage for gestational diabetes screening (Lamar et al). 1999;181:1154-7

Maternal  $\gamma$ -cystathione deficiency: absence of both teratogenic effects and pregnancy complications (Vargas et al). 1999;181:753-5

Obstetric management in 219 cases of infants with hypoplastic left heart syndrome (Gilles et al) (Letter); (van de Ven) (Reply). 1999;181:226

Perinatal outcome in grand and great-grand multiparity: effects of parity on obstetric risk factors (Babinszki et al). 1999;181:669-74

Reversible peripartum liver failure: a new perspective on the diagnosis, treatment, and cause of acute fatty liver of pregnancy, based on 28 consecutive cases (Castro et al). 1999;181:389-95

Universal versus selective gestational diabetes screening: application of 1997 American Diabetes Association recommendations (Danilenko-Dixon et al). 1999;181:798-802

Urinary incontinence in pregnancy and the puerperium: a prospective study (Thorp et al). 1999;181:266-73

When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes (Sacks et al). 1999;181:904-11

**Pregnancy complications, cardiovascular**

The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry (Buhihschi et al). 1999;181:159-64

HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9

The location of chronic pregnancy hypertension on the vasoconstriction-volume spectrum: working hypothesis (Hon). 1999; 181:137-42

Peripartum cardiomyopathy: summary of an international survey on peripartum cardiomyopathy (Veille and Zaccaro). 1999;181:315-9

The puzzling association between smoking and hypertension during pregnancy (Zhang et al). 1999;181:1407-13

They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

Too little, too late (Sullivan et al) (Letter); (Sibai) (Reply). 1999;181:508-9

**Pregnancy complications, hematologic**

Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moon et al). 1999;181:1486-94

May-Hegglin anomaly and uncomplicated vaginal delivery: a report of 41 cases (Bizzaro). 1999;181:226-7 (Letter)

Normal expression of tissue factor, thrombomodulin, and annexin V in placentas from women with antiphospholipid syndrome (Lakasing et al). 1999;181:180-9

Preeclampsia and genetic risk factors for thrombosis: a case-control study (De Groot et al). 1999;181:975-80

Presentation of venous thromboembolism during pregnancy (Wiltin et al). 1999;181:1118-21

Ruptured splenic artery aneurysm during pregnancy: a rare case with both maternal and fetal survival (Herbeck et al). 1999;181:763-4

Severe immune hemolytic anemia associated with prophylactic use of cefotetan in obstetric and gynecologic procedures (Garratty et al). 1999;181:103-4

Spontaneous resolution of disseminated intravascular coagulopathy in the second trimester (Marinoff et al). 1999;181:759-60

Syngytiotrophoblastic fragments in first-trimester decidua veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999; 181:1040-1

**Pregnancy complications, infectious**

Antibiotic use in pregnancy and drug-resistant infant sepsis (Mercer et al). 1999;181:816-21

Change in antibiotic resistance of group B *Streptococcus*: impact on intrapartum management (Morales et al). 1999;181:310-4

Immunolocalization of inducible nitric oxide synthase in human amnion (Thomson et al) (Letter); (Hsu and Parkash) (Reply). 1999;181:770

Localized increase in nitric oxide production and the expression of nitric oxide synthase isoforms in rat uterus with experimental intrauterine infection (Fang et al). 1999;181:601-9

Prenatal diagnosis of congenital toxoplasmosis: a multicenter evaluation of different diagnostic parameters (Foulon et al). 1999;181:843-7

A randomized trial of conjugated group B streptococcal type Ia vaccine in a rabbit model of ascending infection (Davies et al). 1999;181:803-8

A role for the novel cytokine RANTES in pregnancy and parturition (Athayde et al). 1999;181:989-94

Strategies for prevention of infection with group B streptococci (Gibbs) (Letter); (Hafner) (Reply). 1999;181:767-8

Trichomoniasis in pregnant human immunodeficiency virus-infected and human immunodeficiency virus-uninfected Congolese women: prevalence, risk factors, and association with low birth weight (Sutton et al). 1999;181:656-62

The tumor necrosis factor  $\alpha$  and its soluble receptor profile in term and preterm parturition (Maymon et al). 1999;181:1142-8

The use of human immunodeficiency virus postexposure prophylaxis after successful artificial insemination (Bloch et al). 1999;181:760-1

Vaginitis, cervicitis, and cervical length in pregnancy (Boomgaard et al). 1999;181:964-7

**Pregnancy complications, neoplastic**

Adnexal masses in pregnancy: a review of 130 cases undergoing surgical management (Whittemore et al). 1999;181:19-24

Choroid plexus cysts: is biochemical testing a valuable adjunct to targeted ultrasonography? (Sullivan et al). 1999;181:260-5

The evolution of *initis plastica* as a consequence of advanced gastric carcinoma in pregnancy (Tewari et al). 1999;181:757-8

Molar pregnancy and risk for cancer in women and their male partners (Olsen et al). 1999;181:630-4

**Pregnancy in adolescence**

Keynote address: taming the tempest of teen pregnancy (Foster). 1999;181:S28-31 (Symposium)

Teen pregnancy—problems and approaches: panel presentation (Foster et al). 1999;181:S32-6 (Symposium)

**Pregnancy in diabetes**

A flawed experiment, again (Kalter) (Letter); (Wiznitzer and Reece) (Reply). 1999;181:1039-40

**Pregnancy maintenance**

Cervical incompetence: elective, emergent, or urgent cerclage (Kurup and Goldkrand). 1999;181:240-6

Maintenance of oral nifedipine for preterm labor: a randomized clinical trial (Care et al). 1999;181:822-7

Prediction of preterm delivery with transvaginal ultrasonography of the cervix in patients with high-risk pregnancies: does cerclage prevent prematurity? (Bergella et al). 1999;181:809-15

**Pregnancy outcome**

Aggressive perinatal care for high-order multiple gestations: does good perinatal outcome justify aggressive assisted reproductive techniques? (Angel et al). 1999;181:253-9

Efficacy of maintenance therapy after acute tocolysis: a meta-analysis (Sanchez-Ramos et al). 1999;181:484-90

**Pregnancy outcome—cont'd**

Idiopathic polyhydramnios and perinatal outcome (Panting-Kemp et al). 1999;181:1079-82

Multiple courses of antenatal corticosteroids and outcome of premature neonates (Banks et al). 1999;181:709-17

Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis (Chauhan et al). 1999;181:1473-8

Perinatal outcome in grand and great-grand multiparity: effects of parity on obstetric risk factors (Babinszki et al). 1999;181:669-74

Perinatal outcome of pregnancies after assisted reproduction: a case-control study (Dhont et al). 1999;181:688-95

Pregnancy outcome after successful external cephalic version (Siddiqui et al). 1999;181:1092-5

The Preterm Prediction Study: effect of gestational age and cause of preterm birth on subsequent obstetric outcome (Mercer et al). 1999;181:1216-21

Rotational versus nonrotational forceps: maternal and neonatal outcomes (Feldman et al). 1999;181:1185-7

Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome (Yaron et al). 1999;181:968-74

**Pregnancy termination; see Abortion****Pregnancy trimester, first**

Early pregnancy termination with intravaginally administered sodium chloride solution-moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91

The effects of first-trimester diabetes control on the incidence of macrosomia (Rey et al). 1999;181:202-6

First-trimester fetal sex prediction by deoxyribonucleic acid analysis of maternal peripheral blood (Falcinelli et al). 1999;181:675-80

Maternal arterial connections to the placental intervillous space during the first trimester of human pregnancy: the Boyd Collection revisited (Burton et al). 1999;181:718-24

Syncytiotrophoblastic fragments in first-trimester decidua: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

**Pregnancy trimester, second**

Elevated maternal urine level of  $\beta$ -core fragment of human chorionic gonadotropin versus serum triple test in the second-trimester detection of Down syndrome (Bahado-Singh et al). 1999;181:929-33

Indication-specific accuracy of second-trimester genetic ultrasonography for the detection of trisomy 21 (Vintzileos et al). 1999;181:1045-8

Predicting risk of preterm delivery by second-trimester measurement of maternal plasma corticotropin-releasing hormone and  $\alpha$ -fetoprotein concentrations (McLean et al). 1999;181:207-15

Second-trimester maternal serum inhibin A concentration as an early marker for preeclampsia (Aquilina et al). 1999;181:131-6

Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome (Yaron et al). 1999;181:968-74

Second-trimester uterine evacuation: a comparison of intra-amniotic (15S)-15-methyl-prostaglandin  $F_{2\alpha}$  and intravaginal misoprostol (Perry et al). 1999;181:1057-61

Spontaneous resolution of disseminated intravascular coagulopathy in the second trimester (Marinoff et al). 1999;181:759-60

Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison (Owen et al). 1999;181:780-3

**Pregnancy trimester, third**

A comparative study of vascular responsiveness of myometrial and omental small resistance arteries in late-gestation sheep (Anwar et al). 1999;181:663-8

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Ultrasonographic diagnosis of thoracopagus conjoined twins in a monoamniotic triplet gestation (Wax et al). 1999;181:755-6

**Type 2 diabetes;** *see Diabetes mellitus, non-insulin-dependent*

**U****Ultrasonography**

A comparison of methods for preoperative discrimination between malignant and benign adnexal masses: the development of a new logistic regression model (Timmerman et al). 1999;181:57-65

**Ultrasonography, prenatal**

Acute cerebral redistribution in response to invasive procedures in the human fetus (Teixeira et al). 1999;181:1018-25

Antenatal corticosteroids and cranial ultrasonographic abnormalities (Leviton et al). 1999;181:1007-17

Cervical length and dilatation of the internal cervical os detected by vaginal ultrasonography as markers for preterm delivery: a systematic review (Leitich et al). 1999;181:1465-72

Choroid plexus cysts: is biochemical testing a valuable adjunct to targeted ultrasonography? (Sullivan et al). 1999;181:260-5

Comprehensive fetal ultrasonographic growth measurements in triplet gestations (Rodis et al). 1999;181:1128-32

Determinants of abdominal circumference (Bernstein and Catalano). 1999;181:1038 (Letter)

Different placentation patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management (Kemp et al). 1999;181:615-20

Doppler ultrasonographic evidence of intrapartum brain-sparing effect in fetuses with low oxygen saturation according to pulse oximetry (Sütterlin et al). 1999;181:216-20

Images, imagination and ideas: a perspective on the impact of ultrasonography on the practice of obstetrics and gynecology (Wade). 1999;181:235-9 (Pres. address)

Indication-specific accuracy of second-trimester genetic ultrasonography for the detection of trisomy 21 (Vintzileos et al). 1999;181:1045-8

Labor and delivery characteristics and risks of cranial ultrasonographic abnormalities among very-low-birth-weight infants (Hansen et al). 1999;181:997-1006

Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies (Baschat et al). 1999;181:190-5

The performance of routine ultrasonographic screening of pregnancies in the Eurofetus Study (Grandjean et al). 1999;181:446-54

Positive predictive value of suspected growth aberration in twin gestations (Grobman and Parilla). 1999;181:1139-41

Prediction of preterm delivery with transvaginal ultrasonography of the cervix in patients with high-risk pregnancies: does cerclage prevent prematurity? (Bergella et al). 1999;181:809-15

Prophylactic cesarean delivery for fetal macrosomia diagnosed by means of ultrasonography—a Faustian bargain? (Rouse and Owen). 1999;181:332-8 (Clin. opinion)

The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7

Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison (Owen et al). 1999;181:780-3

Ultrasonographic diagnosis of thoracopagus conjoined twins in a monoamniotic triplet gestation (Wax et al). 1999;181:755-6

Ultrasonographically guided direct gene transfer in utero: successful induction of  $\beta$ -galactosidase in a rabbit model (Baumgartner et al). 1999;181:848-52

Umbilical vein blood flow determination in the ovine fetus: comparison of Doppler ultrasonographic and steady-state diffusion techniques (Galan et al). 1999;181:1149-53

Use of various ultrasonographic criteria to evaluate the efficacy of mifepristone and misoprostol for medical abortion (Creinin and Spitz). 1999;181:1419-24

Utility of minor ultrasonographic markers in the prediction of abnormal fetal karyotype at a prenatal diagnostic center (Sohl et al). 1999;181:898-903

**Umbilical arteries**

Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis (Chauhan et al). 1999;181:1473-8

**Umbilical blood;** *see Fetal blood***Umbilical cord**

Intermittent umbilical cord occlusion in the ovine fetus near term: effects on behavioral state activity (Kawagoe et al). 1999;181:1520-9

Umbilical amino acid uptake at increasing maternal amino acid concentrations: effect of a maternal amino acid infusate (Ronzoni et al). 1999;181:477-83

**Umbilical veins**

Oxygen-dependent regulation of membrane potential and vascular tone of human umbilical vein (Mildenberger et al). 1999;181:696-700

Relationship of umbilical vein blood flow to growth parameters in the human fetus (Barbera et al). 1999;181:174-9

Umbilical vein blood flow determination in the ovine fetus: comparison of Doppler ultrasonographic and steady-state diffusion techniques (Galan et al). 1999;181:1149-53

**Urethra, surgery**

Marshall-Marchetti-Krantz urethroplasty and Burch colposuspension for stress urinary incontinence in women with low pressure and hypermobility of the urethra: early results of a prospective randomized clinical trial (Quadri et al). 1999;181:12-8

**Urinary incontinence**

Functional outcomes and satisfaction after abdominal hysterectomy (Weber et al). 1999;181:530-5

Observed patient compliance with a structured outpatient bladder retraining program (Visco et al). 1999;181:1392-4

Urinary incontinence in pregnancy and the puerperium: a prospective study (Thorp et al). 1999;181:266-73

**Urinary incontinence, stress**

Collagen cross-linking in patients with urinary incontinence (Visco and Yamauchi) (Letter); (Rechberger et al) (Reply). 1999;181:509-10

Five-year results after anti-incontinence operations (Tamussino et al). 1999;181:1347-52

Lower urinary tract injury during the Burch procedure: is there a role for routine cystoscopy? (Stevenson et al). 1999;181:35-8

Marshall-Marchetti-Krantz urethropexy and Burch colposuspension for stress urinary incontinence in women with low pressure and hypermobility of the urethra: early results of a prospective randomized clinical trial (Quadri et al). 1999;181:12-8

Surgical management of recurrent stress urinary incontinence: a 12-year experience (Amaye-Obu and Drutz). 1999;181:1296-309

#### Urinary tract, injuries

Lower urinary tract injury during the Burch procedure: is there a role for routine cystoscopy? (Stevenson et al). 1999;181:35-8

#### Urinary tract infections

Risk factors for urinary tract infection in the postpartum period (Schwartz et al). 1999;181:547-53

#### Urine

Elevated maternal urine level of  $\beta$ -core fragment of human chorionic gonadotropin versus serum triple test in the second-trimester detection of Down syndrome (Bahado-Singh et al). 1999;181:929-33

Matrix metalloproteinase 9 activity in urine of patients at risk for premature delivery (Agre et al). 1999;181:387-8

Urinary cotinine concentration confirms the reduced risk of preeclampsia with tobacco exposure (Lain et al). 1999;181:1192-6

#### Uterine arteries

Maternal arterial connections to the placental intervillous space during the first trimester of human pregnancy: the Boyd Collection revisited (Burton et al). 1999;181:718-24

Sequentially combined hormone replacement therapy reduces impedance to flow within the uterine and central retinal arteries in healthy postmenopausal women (van Baal et al). 1999;181:1365-73

#### Uterine contraction

Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51

Effect of nitric oxide and carbon monoxide on uterine contractility during human and rat pregnancy (Longo et al). 1999;181:981-8

Effect of placental tissue on inhibition of uterine contraction by nitric oxide donors (Syal et al). 1999;181:415-8

Intracellular calcium stores and agonist-induced contractions in isolated human myometrium (Luckas et al). 1999;181:468-76

Roles of potassium channels and nitric oxide in modulation of uterine contractions in rat pregnancy (Okawa et al). 1999;181:649-55

#### Uterine evacuation; *see* Abortion

#### Uterine prolapse

Accuracy of clinical assessment of paravaginal defects in women with anterior vaginal wall prolapse (Barber et al). 1999;181:87-90

Pelvic organ prolapse: anterior, superior, and posterior vaginal segment defects (Shull). 1999;181:6-11 (Clin. opinion)

Use of the Pelvic Organ Prolapse staging system of the International Continence Society, American Urogynecologic

Society, and Society of Gynecologic Surgeons in perimenopausal women (Bland et al). 1999;181:1324-8

#### Uterine rupture

Incidence of uterine rupture among women with müllerian duct anomalies who attempt vaginal birth after cesarean delivery (Ravasia et al). 1999;181:877-81

Rate of uterine rupture during a trial of labor in women with one or two prior cesarean deliveries (Caughey et al). 1999;181:872-6

Uterine rupture during induced or augmented labor in gravid women with one prior cesarean delivery (Zelop et al). 1999;181:882-6

#### Uterus

Collagenolysis in the lower uterine segment during parturition at term: correlations with stage of cervical dilatation and duration of labor (Winkler et al). 1999;181:153-8

Decreasing estrogen in nonpregnant women lowers uterine myometrial type I nitric oxide synthase protein expression (Weeks et al). 1999;181:25-30

Localized increase in nitric oxide production and the expression of nitric oxide synthase isoforms in rat uterus with experimental intrauterine infection (Fang et al). 1999;181:601-9

The Tulipan-Bruner trocar for uterine entry during fetal surgery (Bruner et al). 1999;181:1188-91

## V

#### Vaccines

A randomized trial of conjugated group B streptococcal type Ia vaccine in a rabbit model of ascending infection (Davies et al). 1999;181:803-8

#### Vagina

Accuracy of clinical assessment of paravaginal defects in women with anterior vaginal wall prolapse (Barber et al). 1999;181:87-90

Cervical length and dilatation of the internal cervical os detected by vaginal ultrasonography as markers for preterm delivery: a systematic review (Leitch et al). 1999;181:1465-72

Enriching research culture in residency (Al-Hendy) (Letter); (DeLancey) (Reply). 1999;181:1271

Estradiol-delivering vaginal rings for hormone replacement therapy (Nash et al). 1999;181:1400-6

The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis (Mizutani et al). 1999;181:750-1

Pelvic organ prolapse: anterior, superior, and posterior vaginal segment defects (Shull). 1999;181:6-11 (Clin. opinion)

Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison (Owen et al). 1999;181:780-3

#### Vagina, surgery

The anatomic and functional outcomes of defect-specific rectocele repairs (Porter et al). 1999;181:1353-9

Five-year results after anti-incontinence operations (Tamussino et al). 1999;181:1347-52

Injury of the rectum during vaginal surgery (Hoffman et al). 1999;181:274-7

Loop electrosurgical excision procedure for partial upper vaginectomy (Fanning et al). 1999;181:1382-5

**Vagina, surgery—cont'd**

Lower urinary tract injury during the Burch procedure: is there a role for routine cystoscopy? (Stevenson et al). 1999;181:35-8

Marshall-Marchetti-Krantz urethropexy and Burch colposuspension for stress urinary incontinence in women with low pressure and hypermobility of the urethra: early results of a prospective randomized clinical trial (Quadri et al). 1999;181:12-8

Outcome after rectovaginal fascia reattachment for rectocele repair (Kenton et al). 1999;181:1360-4

A persistent sinus tract from the vagina to the sacrum after treatment of mesh erosion by partial removal of a GORE-TEX Soft Tissue Patch (Unger). 1999;181:762-3

Pregnancy after radical vaginal trachelectomy (Jelsema) (Letter); (Roy and Plante) (Reply). 1999;181:229-30

**Vaginal birth after cesarean**

Incidence of uterine rupture among women with müllerian duct anomalies who attempt vaginal birth after cesarean delivery (Ravasia et al). 1999;181:877-81

**Vaginal delivery; see Delivery****Vaginal hysterectomy; see Hysterectomy, vaginal****Vaginal neoplasms**

Diethylstilbestrol and adenocarcinoma of the vagina (Herbst). 1999;181:1576-8 (Classic pages)

Loop electrosurgical excision procedure for partial upper vaginectomy (Fanning et al). 1999;181:1382-5

**Vaginal prolapse; see Uterine prolapse****Vaginal rings; see Pessaries****Vaginal smears**

Assessing gains in diagnostic utility when human papillomavirus testing is used as an adjunct to Papanicolaou smear in the triage of women with cervical cytologic abnormalities (Franco and Ferenczy). 1999;181:382-6

The clinical significance of the poor correlation of cervical dysplasia and cervical malignancy with referral cytologic results (Lonky et al). 1999;181:560-6

**Vaginitis**

The infrequent use of office-based diagnostic tests for vaginitis (Wiesenfeld and Macio). 1999;181:39-41

Vaginitis, cervicitis, and cervical length in pregnancy (Boomgaard et al). 1999;181:964-7

**Vaginosis, bacterial**

Is the lack of concurrence of bacterial vaginosis and vaginal candidosis explained by the presence of bacterial amines? (Rodrigues et al). 1999;181:367-70

**Vascular tone; see Blood vessels****Vasoconstriction**

The location of chronic pregnancy hypertension on the vasoconstriction-volume spectrum: working hypothesis (Hon). 1999;181:137-42

**Vasomotor system**

Efficacy and safety of low, standard, and high dosages of an estro-

dol transdermal system (Esclim) compared with placebo on vasomotor symptoms in highly symptomatic menopausal patients (Utian et al). 1999;181:71-9

**Veins**

Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

**Version, fetal**

Effect of fetal presentation on the amniotic fluid index (Brost et al). 1999;181:1222-4

Pregnancy outcome after successful external cephalic version (Siddiqui et al). 1999;181:1092-5

**Very low birth weight infant; see Infant, low birth weight****Vestibular diseases**

Assessment of response to treatment in vulvar vestibulitis syndrome by means of the vulvar algometer (Eva et al). 1999;181:99-102

**Violence**

Domestic abuse in pregnancy: a comparison of a self-completed domestic abuse questionnaire with a directed interview (Canterino et al). 1999;181:1049-51

Domestic violence and physical abuse of women: the Grady Memorial Hospital experience (Geary and Wingate). 1999;181:S17-21 (Symposium)

Teen pregnancy—problems and approaches: panel presentation (Foster et al). 1999;181:S32-6 (Symposium)

**Vulvar diseases**

Assessment of response to treatment in vulvar vestibulitis syndrome by means of the vulvar algometer (Eva et al). 1999;181:99-102

**Vulvar neoplasms**

Interstitial brachytherapy in the treatment of advanced and recurrent vulvar cancer (Tewari et al). 1999;181:91-8

**W****Water**

They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

**Work**

Work and pregnancy: the role of fatigue and the "second shift" on antenatal morbidity (Luke et al). 1999;181:1172-9

**Wounds and injuries**

Episiotomy, operative vaginal delivery, and significant perineal trauma in nulliparous women (Robinson et al). 1999;181:1180-4

**X****X chromosome**

A five-year experience with fragile X screening of high-risk gravid women (Wenstrom et al). 1999;181:789-92

**Xanthine oxidase**

Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries (Wakatsuki et al). 1999;181:731-5

